## **PCT**

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference A2-209 PCT			gent's file reference	FOR FURTHER ACTION  See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
}	rnatior T/US		olication No. 5298	International filing data	te (day/month/y	Priority date (c 24.05.2002	day/month/year)	
	rnation 1R35		tent Classification (IPC) or	both national classificatio	n and IPC			
	licant LEX	INC	ORPORATED et al.					
1.	This Auti	s inter hority	rnational preliminary example and is transmitted to the	amination report has be e applicant according t	een prepared o Article 36.	by this International Prelin	ninary Examining	
2.	2. This REPORT consists of a total of 5 sheets, including this cover sheet.							
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
	The	se an	nexes consist of a total	of sheets.				
3.	This	repo	rt contains indications r	elating to the following	items:			
	ı	$\boxtimes$	Basis of the opinion					
	П		Priority					
	Ш		Non-establishment of	opinion with regard to	novelty, inver	tive step and industrial ap	plicability	
	IV	$\boxtimes$	Lack of unity of inven-				,y	
V 🗵 Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicab citations and explanations supporting such statement						industrial applicability;		
	VI		Certain documents cit	ted				
	VII		Certain defects in the	international application	n			
	VIII		Certain observations	on the international app	olication			
Date	Date of submission of the demand					pletion of this report		
23.1	23.12.2003					19.08.2004		
		exami	address of the internation ning authority:	al	Authorized Officer			
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465					Tappeine	, R o. +49 89 2399-7915	Clark A To A Property of the Control	

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/15298

i.	Basis	of the	report
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1. With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)): **Description, Pages** 1-13 as originally filed Claims, Numbers 1-35 as originally filed **Drawings, Sheets** 1/17-17/17 as originally filed 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language: the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: a contained in the international application in written form. ☐ filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. 4. The amendments have resulted in the cancellation of: ☐ the description, pages:

Nos.:

sheets:

the claims,

the drawings,

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5. 🗆		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).									
		(Any replacement sheet conta report.)	aining	such amendi	ments must be referred to under item 1 and annexed to this						
6.	Add	lditional observations, if necessary:									
١V	. Lac	k of unity of invention									
1.	in re	sponse to the invitation to restrict or pay additional fees, the applicant has:									
		restricted the claims.									
☐ paid additional fees.											
		paid additional fees under pro	test.								
	$\boxtimes$	neither restricted nor paid add	litional	fees.							
2.		This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.									
<ol> <li>This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 an is</li> </ol>					of invention in accordance with Rules 13.1, 13.2 and 13.3						
		complied with.									
		not complied with for the follow	ving re	easons:							
4. Consequently, the following parts of the international application were the subject of internation examination in establishing this report:					application were the subject of international preliminary						
		all parts.									
	Ø	the parts relating to claims No	s. 1-5	17-28 .							
V.	Rea: citat	asoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; ations and explanations supporting such statement									
1.	State	rement									
	Novelty (N) Inventive step (IS)		Yes: No:	Claims Claims	1-5, 17-28						
			Yes: No:	Claims Claims	1-5 17-28						
Industrial applicability (IA)		Yes: No:	Claims Claims	1-5, 17-28							

2. Citations and explanations

see separate sheet

# INTERNATIONAL PRELIMINARY International application No. PCT/US 03/15298 EXAMINATION REPORT - SEPARATE SHEET

#### Re Item IV

### Lack of unity of invention

This Authority considers that there are 4 inventions covered by the claims indicated as follows:

1. Claims 1-5,17-28: Hinge with rib between conductive surfaces

2. Claims 6-16: Hinge with conductive surface formed from a row and a column which are connected to each other

3. Claim 29: No ISR

4. Claims 30-35: Hinge with a coiled spring

The reasons for which the inventions are not so linked as to form a single general inventive concept, as required by Rule 13.1 PCT, are as follows:

The subject-matter of independent claim 1 and dependent claim 2 is the common concept between the invention 1-4.

This concept is known from Document US 6272324 B1 (D1).

D1 describes a hinge for a telephone comprising a body member 82 having a plurality of conductive surfaces 110 provided thereon and a plurality of movable contacts 34 capable of movement relative to the conductive surfaces, respective ones of the contacts maintaining an electrical contact with respective ones of the conductive surfaces.

The requisite unity of invention (Rule 13.1 PCT) therefore no longer exists inasmuch as a technical relationship involving one or more of the same or corresponding special technical features in the sense of Rule 13.2 PCT does not exist between the subject-matter of the above mentioned groups of dependent claims.

#### Re Item V.2

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: US-A-4865553

D2: US -A-6272324

D3: US-A-5278993

D4: US-A-3860312

D5: EP-A-1147783

D6: US-A-4764121

D7: US-A-4854881

D8: "connector/hinge for laptop computer liquid crystal display"

IBM Technical Disclosure Bulletin Vol. 34, no. 9, pages 29-32

2. The present application does not meet the requirements of Article 33 (2) PCT because the subject matter of the Claim 1 is not new with respect to the documents D1 to D8.

Each of the documents D1 to D8 discloses a hinge for an electronic device comprising a body member having a conductive surface provided thereon and a contact being in electric contact with the conductive surface, the contact being capable of movement relative to the conductive surface, yet always maintaining electrical contact with the conductive surface throughout the movement of the contact relative to the conductive surface.

3. The subject matter of dependent claims 2 19, 20, and 23 - 28 is included in D1, the subject matter of claim 17, 18, 21 and 22 is included in Document D2, and the subject matter of claims 3 and 4 is included in document D4 and the subject matter of claim 5 is disclosed in document D5.